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Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

⑤④ Aspartatprotease

⑤⑦ Aspartatprotease mit zwei Asparatresten in einer katalytisch aktiven Struktur, wobei ein erster Asparatrest in einem Motiv X_1GX_2GD liegt und ein zweiter Asparatrest in einem Motiv $X_3X_4DX_5$ liegt, wobei X_1 , X_2 , X_3 und X_5 unabhängig voneinander ausgewählt werden aus Ala, Val, Leu, Met und Ile und X_4 eine aromatische Aminosäure ist, und die Motive X_1GX_2GD und $X_3X_4DX_5$ in einer Transmembranregion liegen.

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A novel aspartate protease, coding sequence, inhibitors and antibodies, useful for treatment and diagnosis of Alzheimer's disease

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Abstract

A novel aspartate protease (AP) has two aspartate residues in a catalytically active structure, where the first aspartate residue is present in motif (I) and a second aspartate residue is present in motif (II), where (I) and (II) are present in a transmembrane region. A novel aspartate protease has two aspartate residues in a catalytically active structure, where the first aspartate residue is present in motif (I) and a second aspartate residue is present in motif (II): where (I) and (II) are present in a transmembrane region. X1, X2, X3, X5 = Ala, Val, Leu, Met, Ile chosen independently from one another; X4 = an aromatic amino acid. Independent claims are also included for the following: (1) a nucleic acid sequence encoding (AP); (2) compounds that inhibit expression or activity of (AP); (3) an antibody targeted against (AP); and (4) a method to identify inhibitors of the aspartate protease activity.

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